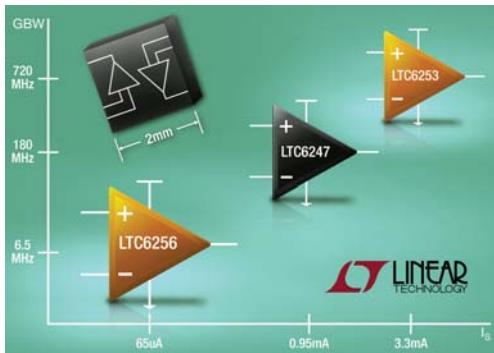


High Performance Op Amps



New Power-Efficient Op Amps

Linear Technology's LTC6256, LTC6247 and LTC6253 families provide unmatched speed-power and noise-power efficiency. Available in a variety of packages including 2mm x 2mm DFN (dual), and fully specified from -40°C to 125°C , these amplifiers feature rail-to-rail inputs and outputs as well as outstanding precision specifications.

For a list of selected amplifiers suitable for a wide array of applications, see the tables below or visit www.linear.com/opamps for our complete portfolio.

Selected High Speed Op Amps, GBW Product $\geq 10\text{MHz}$

See www.linear.com/opamps for a complete list

Single Part Number	Dual Part Number	Quad Part Number	V_{os} Max 25°C (μV)	TCV_{os} Max 25°C (μV/°C)	I_o Max 25°C (nA)	GBW Typ 25°C (MHz)	Slew Rate Typ 25°C (V/μs)	e_n Typ 25°C (nV/√Hz)	I_{out} Min 25°C (mA)	I_s Max 25°C (mA)	V_s Min (V)	V_s Max (V)	Rail-to-Rail I/O
LT6230-10			500	3	10000	1450	320	1.1	30	3.75	3	12.6	Out
LT1226			1000	6 Typ	8000	1000	400	2.6	24	9	5	36	
LTC6252	LTC6253	LTC6254	350	3.5 Typ	650	720	280	2.75	40	3.5	2.5	5.25	Yes
LT6411			10000			650	3300	8	50	11	4.5	12.6	
LT1818	LT1819		1500	15	8000	400	2500	6	40	10	3.5	12.6	
LT1395	LT1396	LT1397	12000	15 Typ		400	800	4.5	80	6.5	3	12.6	
LT1806	LT1807		550	5	4000	325	125	3.5	35	13	2.5	12.6	Yes
LT1815	LT1816	LT1817	1500	15	8000	220	1500	6	50	7.8	2.5	12.6	
LT6230	LT6231	LT6232	500	3	10000	215	70	1.1	30	3.75	3	12.6	Out
LT6300	LT6301		5000	10 Typ	4000	200	600	8	500	13.5	8	27	
LT1722	LT1723	LT1724	400	7	300	200	70	3.8	35	4.5	4.6	12.6	
LT1468-2	LT1469-2		75	2	40	200	30	5	15	5	9	36	
LTC6246	LTC6247	LTC6248	500	2 Typ	350	180	90	4.2	35	1	2.5	5.25	Yes
LT6200	LT6201		1000	24	40000	165	50	0.95	60	23	2.5	12.6	Yes
LT1809	LT1810		2500	25	8000	160	300	16	45	17	2.5	12.6	Yes
LT1812	LT1813	LT1814	1500	15	4000	100	750	8	40	3.6	2.5	12.6	
LT6205	LT6206	LT6207	4500	18	30000	100	600	9	25	5.6	3	12.6	Out
LT6202	LT6203	LT6204	500	24	7000	100	25	1.9	30	3.5	2.50	12.6	Yes
LT1468	LT1469		75	2	40	90	22	5	15	5	9	36	
LT1803	LT1804	LT1805	2000	35	750	80	100	21	20	3	2.3	12.6	Yes
LT1800	LT1801	LT1802	350	5	250	80	25	8.5	20	2	2.3	12.6	Yes
LT6552			20000	12.5 Typ	50000	75	600	0.7	35	13.5	3	12.6	Out
LT1028			40	0.8	90	75	15	0.85	18.3	9.5	8	44	
LT1363	LT1364	LT1365	1500	13	2000	70	1000	9	50	7.5	3	36	
LT1115			200	0.5 Typ	380	70	15	0.9	18.3	11.5	8	44	
LT1206			10000	20 Typ		66	900	3.6	250	30	10	36	
LT1210			15000	10 Typ	60000	66	900	3	1100	50	8	36	
LT6220	LT6221	LT6222	350	5	150	60	20	10	20	1	2.2	12.6	Yes
LT6233	LT6234	LT6235	350	3	3000	60	17	1.9	40	1.25	3	12.6	Out
LT1037			25	0.6	35	60	15	2.5	18.3	4.3	8	44	
LT1360	LT1361	LT1362	1000	12	1000	50	800	9	26	4.8	3	36	
LTC6244			100	2.5	0.075	50	35	8	25	7.4	2.8	7	Out
LT1010			150000		250000	30	200	20	150	9	4.5	44	
LT1630	LT1631		525	5.5	1000	30	9.2	6	20	4.4	2.6	36	Yes
LT1213	LT1214		150	1.5	160	28	8.5	10	30	3.8	2.5	36	SS
LT1357	LT1358	LT1359	600	8	500	25	600	8	24	2.5	5	36	
LT1678	LT1679		100	3	20	20	6	3.9	15	3.4	3	36	Yes
LTC6240	LTC6241	LTC6242	125	2.5	0.075	18	10	7	15	2.2	2.8	6	Out
LTC6087	LTC6088		750	5	0.04	14	7.2	12	1	1.2	2.7	5.5	Yes
LT1211	LT1212		150	1.5	100	13	7	12	20	1.8	2.5	36	SS
LT1124	LT1125		70	1	20	12.5	4.5	2.7	6.25	2.75	8	44	
LT1354	LT1355	LT1356	800	8	300	12	400	10	25	1.25	5	36	
LT1498	LT1499		475	2.5	650	10.5	4.5	12	12.5	2.2	2.2	36	Yes
LT1797			1500	20	300	10	2.25	20	25	1.5	2.1	12.6	Yes

*Some parameters vary between single/dual/quad versions. For a complete list of products and full specifications visit www.linear.com

OTT = Over-The-Top® – This feature allows full functionality when the input voltage exceeds the supply voltage. See data sheet for details.

SS = Single Supply – The input common mode voltage range includes ground.



LT, LT, LTC, LTM, Linear Technology, the Linear logo and Over-The-Top are registered trademarks of Linear Technology Corporation. All other trademarks are the property of their respective owners.

Selected Precision Operational Amplifiers, $V_{os} \leq 1\text{mV}$

See www.linear.com/opamps for a complete list

Single Part Number	Dual Part Number	Quad Part Number	V_{os} Max 25°C (μV)	TCV_{os} Max 25°C (μV/°C)	I_s Max 25°C (nA)	GBW Typ 25°C (MHz)	Slew Rate Typ 25°C (V/μs)	e_v Typ 25°C (nV/Hz)	I_{out} Min 25°C (mA)	I_s Max 25°C (mA)	V_s Min (V)	V_s Max (V)	Rail-to-Rail I/O
LTC2050	LTC2051	LTC2052	3	0.03	0.075	3	2		2.4	1.2	2.7	7	Out
LTC2054	LTC2055		3	0.03	0.15	0.5	0.5		1	0.15	2.7	7	Out
LTC1052			5	0.05	0.03	1.2	4	30	0.5	2	4.75	18	Out
LTC1050	LTC1051	LTC1053	5	0.05	0.03	2.5	4	90		1.5	4.75	18	Out
LTC1150	LTC1151		10	0.05	0.1	2.5	3		1.35	1.5	4.75	32	SS
LTC1049			10	0.1	0.05	0.8	0.8	80	0.5	0.3	4.75	18	Out
LTC1152			10	0.1	0.1	0.7	0.5	130	35 Typ	3	3	14	Yes
LT1012			25	0.6	0.1	1	0.2	14	1.3	0.5	2.4	40	
LT1007			25	0.6	0.1	8	2.5	2.5	18	4	4	44	
LT1001	LT1002		25	0.6	2	0.8	0.25	9.6	12	2.5	6	44	
LT1037			25	0.6	35	60	15	2.5	18.3	4.3	8	44	
	LTC6078	LTC6079	25	0.7	0.001	0.75	0.05	18	5	0.072	2.7	6	Yes
LT1028			40	0.8	90	75	15	0.85	18.3	9.5	8	44	
	LT1881	LT1882	50	0.8	0.2	1	0.35	14	5	0.9	2.4	40	Out
	LT1884	LT1885	50	0.8	0.4	2	0.9	9.5	15	0.9	2.4	40	Out
LT1097			50	1.2	0.25	0.7	0.2	14	5.75	0.56	2	40	
LT1006			50	1.3	15	0.6	0.4	22	6.5	0.52	4	44	SS
LT6013	LT6014		60	0.8	0.25	1.6	0.2	9.5	8	0.165	2.7	40	Out
LT6010	LT6011	LT6012	60	0.8	0.3	0.33	0.09	14	1	0.15	2.7	40	Out
LT1677			60	1.5	20	7.2	2.5	3.2	25	3.5	2.5	44	Yes
	LT1112	LT1114	60	1.3	0.25	0.75	0.3	14	5.5	0.4	2	40	
	LTC6081	LTC6082	70	0.8	0.001	3.6	1	13	5	0.425	2.7	5.5	Yes
LT1124	LT1125		70	1	20	12.5	4.5	2.7	6.25	2.75	8	44	
LT2178	LT2179		70	1.8	5	0.06	0.025	49	1.6	0.018	2.2	44	SS
LT1077	LT2078	LT2079	70	1.8	8	0.2	0.07	28	5.5	0.05	2.3	44	SS
LT1468	LT1469		75	2	40	90	22	5	15	5	9	36	
LT1468-2	LT1469-2		75	2	40	200	30	5	15	5	9	36	
	LTC6244		100	2.5	0.075	50	35	8	25	7.4	2.8	7	Out
	LT1678	LT1679	100	3	20	20	6	3.9	15	3.4	3	36	Yes
LTC6240	LTC6241	LTC6242	125	2.5	0.075	18	10	7	15	2.2	2.8	6	Out
LT1880			150	1.2	0.9	1.1	0.55	13	1	1.9	2.4	40	Out
LT1211	LT1212		150	1.5	100	13	7	12	20	1.8	2.5	36	SS
LT1213	LT1214		150	1.5	160	28	8.5	10	30	3.8	2.5	36	SS
LT1013	LT1014		150	2	20	0.8	0.4	22	6.5	0.5	4	44	SS
LT1492	LT1493		180	3	100	4.5	1.8	16.5	20	0.55	2.1	36	SS
LT1115			200	0.5 Typ	380	70	15	0.9	18.3	11.5	8	44	
LT1637	LT1638	LT1639	350	3	50	1	0.35	27	15	0.25	1.8	44	Yes, OTT
LT6233	LT6234	LT6235	350	3	3000	60	17	1.9	40	1.25	3	12.6	Out
LT6220	LT6221	LT6222	350	5	150	60	20	10	20	1	2.2	12.6	Yes
LT1800	LT1801		350	5	250	80	25	8.5	20	2	2.3	12.6	Yes
LTC6252	LTC6253	LTC6254	350	3.5 Typ	650	720	280	2.75	40	3.5	2.5	5.25	Yes
LT1494	LT1495	LT1496	375	2	1	0.0027	0.001	185	0.7	0.0015	2.1	36	Yes, OTT
LT1722	LT1723	LT1724	400	7	300	200	70	3.8	35	4.5	4.6	12.6	
LT1057	LT1058		450	10	0.05	5	14	13		2.5	8	40	
LT1498	LT1499		475	2.5	650	10.5	4.5	12	12.5	2.2	2.2	36	Yes
LT1366	LT1367		475	6	35	0.4	0.13	29	30	0.52	2	36	Yes
LTC6255	LTC6256	LTC6257	500	3	60	6.5	1.8	20	10	0.073	1.8	5.25	Yes
LT6230	LT6231	LT6232	500	3	10000	215	70	1.1	30	3.75	3	12.6	Out
LT6230-10			500	3	10000	1450	320	1.1	30	3.75	3	12.6	Out
LT1636	LT1490A	LT1491A	500	4	8	0.18	0.06	50	15	0.055	2	44	Yes, OTT
LT6003	LT6004	LT6005	500	5	0.09	0.002	0.0008	325	2	0.001	1.6	16	Yes
LT6202	LT6203	LT6204	500	24	7000	100	25	1.9	30	3.5	2.50	12.6	Yes
LTC6246	LTC6247	LTC6248	500	2 Typ	350	180	90	4.2	35	1	2.5	5.25	Yes
LT1630	LT1631		525	5.5	1000	30	9.2	6	20	4.4	2.6	36	Yes
LT1806	LT1807		550	5	4000	325	125	3.5	35	13	2.5	12.6	Yes
LT1351	LT1352	LT1353	600	8	50	3	200	14	30	0.33	5	36	
LT1357	LT1358	LT1359	600	8	500	25	600	8	24	2.5	5	36	
LT1970			600	10	600	3.6	1.6	15	500	13	5	36	
LT1055			700	12	0.05	4.5	12	15	30 Typ	4	8	40	
	LTC6084	LTC6085	750	5	0.04	1.5	0.5	27	7.7	0.13	2.5	5.5	Yes
	LTC6087	LTC6088	750	5	0.04	14	7.2	12	1	1.2	2.7	5.5	Yes
LT6000	LT6001	LT6002	750	5	5	0.05	0.015	75		0.016	1.8	18	Yes
LT1782			800	5	15	0.2	0.07	50	20	0.055	2.2	18	Yes, OTT
LT1783			800	5	80	1.25	0.42	20	20	0.3	2.2	18	Yes, OTT
LT1354	LT1355	LT1356	800	8	300	12	400	10	25	1.25	5	36	
LT1056			800	12	0.05	5.5	14	15	30 Typ	7	8	40	
LT1793			800	13	0.01	4.2	3.4	6	12	5.2	10	40	
LT1360	LT1361	LT1362	1000	12	1000	50	800	9	26	4.8	3	36	
LT6200	LT6201		1000	24	40000	165	50	0.95	60	23	2.5	12.6	Yes
LT1226			1000	6 Typ	8000	1000	400	2.6	24	9	5	36	

*Some parameters vary between single/dual/quad versions. For a complete list of products and full specifications visit www.linear.com

OTT = Over-The-Top® – This feature allows full functionality when the input voltage exceeds the supply voltage. See data sheet for details.

SS = Single Supply – The input common mode voltage range includes ground.

Best Better Good